

Patent
6,180,230

SN 10/684,745 DIV

~~cont~~ Div. of 10/644,547

What is claimed is:

1. A dry mixture for forming a fireproofing composition adapted to be spray applied to a steel substrate, said dry mixture comprising a hydraulic binder, a substrate adherence and coherence enhancing agent, and a set retarder, said dry mixture providing, upon the addition of water, a pumpable slurry capable of spray application to a steel substrate and which, after spray application is adherent to said substrate.
2. The dry mixture of claim 1, wherein said substrate adherence and coherence enhancing agent is polyvinyl alcohol.

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What is claimed is:

1. A dry mixture for forming a fireproofing composition adapted to be spray applied to a steel substrate, said dry mixture comprising a hydraulic binder, a foam stabilizing agent, and a set retarder, said dry mixture providing, upon the addition of water, a pumpable slurry, and upon the application of mechanical turbulence to said pumpable slurry, a settable foam capable of spray application to a steel substrate and which, after spray application is adherent to said substrate.
2. The dry mixture of claim 1, wherein said foam stabilizing agent is powdered polyvinyl alcohol.
3. The dry mixture of claim 1, wherein said hydraulic binder is stucco.
4. The dry mixture of claim 1, wherein said dry mixture further comprises calcium carbonate.
5. The dry mixture of claim 1, wherein said dry mixture further comprises alpha-olefin sulfate.
6. The dry mixture of claim 1, wherein said dry mixture further comprises glass fibers and cellulosic fibers.
7. The dry mixture of claim 4, wherein said dry mixture further comprises alpha-olefin sulfate.
8. The dry mixture of claim 4, wherein said dry mixture further comprises glass fibers and cellulosic fibers.